

ABSTRACT

A user equipment (UE) located in a soft handover region transmits channel quality indicator (CQI) information bits for informing a Node B of
5 quality of a downlink channel through a CQI field and a high speed pilot (HS-Pilot) field constituting a subframe of an uplink secondary dedicated physical control channel (DPCCH) in a code division multiple access (CDMA) communication system. The UE outputs a codeword of length 20 by coding the CQI information bits with a code of length 20, which is used when a high speed
10 downlink packet access (HSDPA) service is not supported, and permutes 15 coded bits coded by the same code, as a code of length 15, which is used when the HSDPA service is supported, among 20 coded bits constituting the codeword, thereby locating the 15 coded bits in the CQI field, and permutes the 5 remaining coded bits to be located in the HS-Pilot field.